

## **STRUCTURAL MODELS**

Equipment for experiments on STRUCTURES consists of two main parts, accessories for specific experiment and a frame for attachment of the accessories. Many accessories common for various experiment.

### **ST 320 EQUILIBRIUM OF A BEAM**



#### **GENERAL DESCRIPTION:**

This equipment is used for measurement of support reactions of a simple beam or cantilever in equilibrium under different loads. It is to be used with ST305 Universal Base Frame or ST300 Universal Structural Frame (separately supplied).

The beam is supported by two weighing machines with knife edges fixed on to the pan. Load hanger with weights are hung on the beam between the two supports. In the case of a cantilever, a spring balance and a weighing machine are used.

Instruction manual is also included.

#### **EXPERIMENT CAPABILITIES:**

- Principle of Moments.
- Reactions for a point load along a beam.

#### **TECHNICAL DATA:**

- Test beam with scale : 700 mm x 1 mm reading
- Digital weighing machines : 2
- Spring balance : 1
- Load hangers : 3
- Weights : 1 lot.
- Software for data display and analysis by computer (separately supplied).

**Net (unassembled) Shipping Dimensions WxLxH** : 40 x 60 x 15 cm  
**Net Weight** : Approx. 15 kg